

College Math

Course Review Packet



Directions: This review packet is to be completed by all students who are entering the course College Math. The completed packet must be submitted to your teacher on the Monday of the first week of class OR as stated by the teacher of the course. The packet will be used as the first assessment for the Trigonometry course.

Name _____

Teacher _____ Block _____

(3) $\frac{64}{125} =$

(4) $\frac{59}{125} =$

(5) $\frac{4}{5} =$

(6) $\frac{163}{200} =$

(7) $\frac{39}{40} =$

(8) $\frac{16}{125} =$

(9) $\frac{21}{40} =$

(7) $0.245 =$

(8) $0.832 =$

(9) $0.936 =$

- Convert each percent to decimal

(1) $70\% =$

(2) $82\% =$

(3) $55.2\% =$

(4) $49.6\% =$

(5) $9.5\% =$

(6) $18.5\% =$

(7) $37.5\% =$

(8) $65.5\% =$

(9) $6\% =$

- Convert each fraction to percent

(1) $\frac{1}{8} =$

(2) $\frac{9}{40} =$

- Convert each decimal to percent

(1) $0.94 =$

(2) $0.3 =$

(3) $0.768 =$

(4) $0.72 =$

(5) $0.592 =$

(6) $0.895 =$

(7) $0.175 =$

(8) $0.755 =$

(9) $0.815 =$

- Convert each decimal to fraction

(1) $0.275 =$

(2) $0.15 =$

(3) $0.155 =$

(4) $0.352 =$

(5) $0.856 =$

(6) $0.38 =$

(8) $104\% =$

- Convert each percent to fraction

(1) $168\% =$

(2) $112\% =$

(3) $124\% =$

(4) $172\% =$

(5) $152\% =$

(6) $164\% =$

(7) $114\% =$

(8) $164\% =$

- Convert each decimal to percent

(1) $1.74 =$

(2) $1.2 =$

(3) $1.22 =$

(4) $1.96 =$

(5) $1.08 =$

(6) $1.86 =$

(7) $1.64 =$

(8) $1.2 =$

- Convert each percent to decimal

(1) $122\% =$

(2) $118\% =$

(3) $162\% =$

(4) $124\% =$

(5) $114\% =$

(6) $158\% =$

(7) $125\% =$

Fractions, Decimals, and Percents

Write each as a decimal. Round to the thousandths place.

1) 90%

2) 30%

3) 115.9%

4) 9%

5) 7%

6) 65%

7) 0.3%

8) 445%

Write each as a percent. Round to the nearest tenth of a percent.

9) 0.452

10) 0.006

11) 0.002

12) 0.05

13) 4.78

14) 0.1

15) 3.63

16) 0.03

Write each as a fraction.

17) 25%

18) 70%

19) 93%

20) 58%

21) 50%

22) $66.\overline{6}\%$

23) 20%

24) 80%

25) 71%

26) 30%

Write each as a percent. Use repeating decimals when necessary.

27) $\frac{1}{2}$

28) $\frac{1}{8}$

29) $\frac{2}{3}$

30) $\frac{1}{100}$

31) $2\frac{1}{10}$

32) $\frac{3}{8}$

33) $\frac{1}{10}$

34) $\frac{87}{100}$

Percent Problems

- 1. Find 70% of the number 10.**
- 2. Find 90% of the number 50.**
- 3. Find 80% of the number 40.**
- 4. Find 50% of the number 40.**
- 5. Find 0.5% of the number 90.**
- 6. What percent of 50 is 15?**
- 7. Find 70% of the number 70.**
- 8. 10 is what percent of 100?**
- 9. 20 is what percent of 30?**
- 10. Find 18% of the number 50.**

Percent Problems

11. What percent of 96 is 35?

12. 31 is what percent of 69?

13. What is 30% of 32?

14. What is 25% of 20?

15. What percent of 81 is 71?

16. 7 is what percent of 20?

17. What is 54% of 68?

18. What percent of 76 is 61?

19. What percent of 26 is 11?

20. Find 64% of the number 11.